

**From:** [Stephen Ellis](#)  
**To:** [Miller, Garyg](#)  
**Cc:** [Salinas, Amy](#); [Foster, Anne](#)  
**Subject:** RE: engineering seal  
**Date:** Wednesday, September 18, 2013 4:12:23 PM

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Gary,

The Revised Draft Final Removal Action Completion Report has a signoff page for engineer certification (p. 80). An engineer I work with says that there are likely original sealed drawings that were that basis of some of the maps in the report. It is permissible to have these modified maps/figures as long as there is a signoff page. I'd still like to see the signed version, but it appears that everything is in order. Your thoughts?

Stephen

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**From:** Miller, Garyg [mailto:Miller.Garyg@epa.gov]  
**Sent:** Wednesday, September 18, 2013 7:28 AM  
**To:** Stephen Ellis  
**Cc:** Salinas, Amy; Foster, Anne  
**Subject:** RE: engineering seal

Stephen,

Yes, that is true. The San Jacinto submittals haven't been sealed to date; question is, however, what is considered an engineering document? If its prepared by an engineer, or its design drawings or specs prepared by an engineer, it must be sealed, however, many submittals are prepared by geologists, scientists, hydrologists, etc., and are not design drawings & specs. The reports previously have mostly been assessments that rely heavily on science & not engineering. Generally I have seen that design plans are sealed, but the RI & FS are not. Perhaps the appropriate parts of the FS that would likely be prepared by engineers, such as the cost estimates, maps showing the design of the various alternatives, etc., should be sealed? Maybe the whole FS? (not sure what the requirements are for parts of a report). I would appreciate any thoughts you or others may have on that.

Thanks,

Gary Miller  
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**From:** Stephen Ellis [mailto:[stephen.ellis@tceq.texas.gov](mailto:stephen.ellis@tceq.texas.gov)]  
**Sent:** Tuesday, September 17, 2013 2:05 PM  
**To:** Miller, Garyg  
**Subject:** engineering seal

Gary,



9601621

An engineer in our office who is helping me with the FS review was asking about sealed drawings. Hadn't really thought about it before, but he is saying someone licensed in Texas must seal all engineering documents. Has this been done for San Jacinto? Have you seen the originals?

**Stephen Ellis**  
**Project Manager**  
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**Remediation Division**  
**Texas Commission on Environmental Quality**  
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